

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-15 (Canceled).

Claim 16 (New): An apparatus for simultaneously and/or successively carrying out at least two catalytic tests, comprising:

a reactor element, which includes at least one gas inlet unit, a plurality of reaction chambers, and at least one restriction unit, the at least one restriction unit configured to have a plurality of channels, which are arranged such that at least one reaction chamber is in direct contact with at least one channel of the at least one restriction unit.

Claim 17 (New): An apparatus according to Claim 16, in which the plurality of channels have identical geometries, the geometry being determined at least by the length and the cross section of the channels.

Claim 18 (New): An apparatus according to Claim 16, in which the plurality of channels have different geometries, the geometry being determined at least by the length and the cross section of the channels.

Claim 19 (New): An apparatus according to Claim 16, in which at least one channel of the plurality of channels has at least one capillary.

Claim 20 (New): An apparatus according to Claim 19, in which the at least one capillary is exchangeably connected to the at least one channel of the plurality of channels.

Claim 21 (New): An apparatus according to Claim 16, in which the at least one restriction unit can be exchanged independently of other components of the apparatus.

Claim 22 (New): An apparatus according to Claim 16, in which the at least one gas inlet unit is arranged such that gas that flows in is distributed radially into a gas space via the plurality of reaction chambers.

Claim 23 (New): An apparatus according to Claim 16, in which at least one gas outlet unit is arranged such that the gas inside an off-gas space is discharged radially from the off-gas space.

Claim 24 (New): An apparatus according to Claim 16, which has at least one IR-transparent cover.

Claim 25 (New): An apparatus according to Claim 16, in which the at least one IR-transparent cover has a silicon wafer arranged between the plurality of reaction chambers and at least one thermal camera.

Claim 26 (New): An apparatus according to Claim 16, which has at least one mask with a uniform IR emissivity.

Claim 27 (New): An apparatus according to Claim 16, in which the at least one restriction unit has at least one heating unit.

Claim 28 (New): An apparatus according to Claim 16, which has at least one off-gas unit with a plurality of membranes.

Claim 29 (New): An apparatus according to Claim 16, which has at least one positionable probe.

Claim 30 (New): Use of an apparatus according to Claim 16 for carrying out catalytic tests, for analysis using infrared thermography and at least one further analysis method, on building blocks of a material library.